

T.I.T.L. RESULTS FOR CONCURRENT  
TEST OF SELECTED BRANDS  
FROM MARKET SAMPLES 3 AND 4

		<u>Nicotine mg/cigt.</u>			<u>F.T.C. "Tar" mg/cigt.</u>		
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>		<u>Sample #3</u>	<u>Sample #4</u>	
Alpine	X	1.27 ± 0.03	1.27 ± 0.03		19.3 ± 0.4	19.6 ± 0.4	
	s	0.06	0.06		0.7	0.7	
	CV	4.8	5.0		3.7	3.7	
Belair	X	1.53 ± 0.04	1.45 ± 0.05		19.2 ± 0.5	18.9 ± 0.4	
	s	0.07	0.1	S	1.0	0.8	
	CV	4.8	6.9		5.3	4.0	
Benson & Hedges reg. size	X	1.34 ± 0.03	1.32 ± 0.03		19.9 ± 0.4	19.7 ± 0.8	
	s	0.06	0.07		0.9	1.6	
	CV	4.9	5.1		4.6	7.9	
Benson & Hedges king size	X	1.43 ± 0.03	1.42 ± 0.04		19.5 ± 0.5	19.7 ± 0.3	
	s	0.07	0.07		1.0	0.6	
	CV	4.8	5.1		5.3	3.3	
Benson & Hedges 100 mm. filter	X	1.49 ± 0.03	1.48 ± 0.05		20.9 ± 0.5	21.4 ± 0.6	
	s	0.06	0.1		1.1	1.3	
	CV	3.9	7.2		5.2	6.0	
Benson & Hedges 100 mm. filter menthol	X	1.49 ± 0.03	1.49 ± 0.03		21.7 ± 0.4	21.8 ± 0.5	
	s	0.06	0.06		0.8	1.0	
	CV	4.2	4.4		3.8	4.5	
Bull Durham	X	1.74 ± 0.03	1.78 ± 0.03		29.6 ± 0.6	28.8 ± 0.4	
	s	0.07	0.07		1.2	0.8	
	CV	3.9	3.9		4.1	2.9	S

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		<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg/cigt.</u>		
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #3</u>	<u>Sample #4</u>	
Camel	X	1.46 ± 0.03	1.47 ± 0.02	26.1 ± 0.6	26.3 ± 0.6	
reg. size,	s	0.07	0.05	1.2	1.3	
non-filter	CV	4.8	3.2	4.5	5.0	
Carlton	X	0.37 ± 0.03	0.38 ± 0.04	4.2 ± 0.5	4.2 ± 0.6	
king size,	s	0.06	0.09	1.0	1.3	
filter	CV	16.8	23.5	24.4	30.4	
Chesterfield	X	1.33 ± 0.04	1.33 ± 0.03	26.0 ± 0.6	24.9 ± 0.5	
reg. size,	s	0.08	0.07	1.2	1.0	S
non-filter	CV	6.1	5.2	4.8	4.0	
Chesterfield	X	1.54 ± 0.03	1.56 ± 0.04	28.7 ± 0.8	28.8 ± 0.5	
king size,	s	0.06	0.08	1.6	0.9	
non-filter	CV	4.0	4.9	5.8	3.2	
Chesterfield	X	1.33 ± 0.04	1.41 ± 0.03	21.9 ± 0.6	21.9 ± 0.4	
king size,	s	0.08	0.06	1.2	0.8	
filter	CV	6.0	4.5	5.3	3.8	
Chesterfield	X	1.22 ± 0.04	1.20 ± 0.03	20.6 ± 0.7	19.2 ± 0.6	
101 mm.	s	0.08	0.06	1.5	1.2	S
filter	CV	6.7	4.9	7.2	6.4	
Domino	X	1.05 ± 0.04	1.06 ± 0.03	26.6 ± 0.7	25.9 ± 0.5	
king size,	s	0.08	0.07	1.3	1.0	
non-filter	CV	7.9	6.3	5.0	3.8	
Domino	X	0.86 ± 0.03	0.93 ± 0.03	20.5 ± 0.4	20.6 ± 0.7	
king size,	s	0.05	0.06	0.8	1.4	
filter	CV	6.1	6.4	4.1	6.6	

		<u>Nicotine mg/cigt.</u>			<u>F.T.C. "Tar" mg/cigt.</u>		
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>		<u>Sample #3</u>	<u>Sample #4</u>	
Du Maurier	X	1.42 $\pm$ 0.04	1.34 $\pm$ 0.04	S	19.1 $\pm$ 0.6	17.8 $\pm$ 0.4	S
	s	0.09	0.08		1.1	0.8	
	CV	6.1	5.7		5.8	4.7	
English Ovals	X	1.77 $\pm$ 0.03	1.78 $\pm$ 0.04		27.7 $\pm$ 1.0	26.8 $\pm$ 1.0	
reg. size,	s	0.06	0.09		1.9	1.9	
non-filter	CV	3.5	4.9		7.0	7.1	
English Ovals	X	2.23 $\pm$ 0.07	2.23 $\pm$ 0.07		33.3 $\pm$ 1.1	34.6 $\pm$ 1.3	
king size,	s	0.14	0.14		2.2	2.7	
non-filter	CV	6.2	6.2		6.6	7.9	
Fatima	X	1.77 $\pm$ 0.05	1.76 $\pm$ 0.04		33.0 $\pm$ 1.1	32.7 $\pm$ 1.1	
	s	0.09	0.07		2.2	2.2	
	CV	5.3	4.1		6.8	6.8	
Frappe	X	0.30 $\pm$ 0.01	0.31 $\pm$ 0.02		8.3 $\pm$ 0.4	9.0 $\pm$ 0.5	S
	s	0.03	0.04		0.9	0.9	
	CV	9.0	13.0		10.4	10.4	
Galaxy	X	1.43 $\pm$ 0.03	1.47 $\pm$ 0.03		20.6 $\pm$ 0.5	21.2 $\pm$ 0.5	
	s	0.06	0.06		1.0	1.0	
	CV	4.2	3.9		4.8	4.9	
Gauloises	X	1.42 $\pm$ 0.05	1.43 $\pm$ 0.05		25.3 $\pm$ 0.7	26.0 $\pm$ 1.0	
Caporal	s	0.10	0.11		1.5	1.9	
non-filter	CV	7.1	7.4		5.8	7.4	
Gauloises	X	1.25 $\pm$ 0.03	1.32 $\pm$ 0.04	S	21.2 $\pm$ 0.8	22.3 $\pm$ 0.4	S
Disque Bleu	s	0.07	0.08		1.7	0.9	
filter	CV	5.7	6.1		7.9	3.9	

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		<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg/cigt.</u>		
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #3</u>	<u>Sample #4</u>	
Herbert	X	1.71 $\pm$ 0.03	1.72 $\pm$ 0.03	30.8 $\pm$ 0.5	29.8 $\pm$ 0.4	S
Tareyton	s	0.06	0.05	1.1	0.8	
	CV	3.8	3.0	3.5	2.7	
Holiday	X	1.81 $\pm$ 0.06	2.08 $\pm$ 0.06	33.3 $\pm$ 0.9	34.3 $\pm$ 0.9	S
king size,	s	0.13	0.12	1.8	1.9	
non-filter	CV	7.1	6.0	5.4	5.5	
Holiday	X	1.73 $\pm$ 0.05	1.65 $\pm$ 0.03	26.7 $\pm$ 1.0	25.7 $\pm$ 0.5	S
king size,	s	0.10	0.05	1.9	1.0	
filter	CV	6.1	3.3	7.2	3.7	
Home Run	X	1.67 $\pm$ 0.06	1.72 $\pm$ 0.05	20.3 $\pm$ 0.7	20.6 $\pm$ 0.5	
	s	0.11	0.10	1.4	1.0	
	CV	6.6	5.7	7.1	4.6	
Kent	X	1.08 $\pm$ 0.02	1.06 $\pm$ 0.03	17.1 $\pm$ 0.6	17.2 $\pm$ 0.5	
king size,	s	0.05	0.07	1.1	1.0	
filter	CV	4.5	6.3	6.4	6.0	
hard pack						
Kent	X	0.99 $\pm$ 0.02	1.02 $\pm$ 0.04	15.8 $\pm$ 0.5	16.3 $\pm$ 0.6	
king size,	s	0.04	0.08	1.0	1.2	
filter	CV	3.9	8.0	6.2	7.6	
soft pack						
Kent	X	1.23 $\pm$ 0.03	1.20 $\pm$ 0.05	18.8 $\pm$ 0.6	19.4 $\pm$ 0.5	
100 mm.	s	0.06	0.10	1.2	1.0	
filter	CV	4.7	8.2	6.3	4.9	
King Sano	X	0.24 $\pm$ 0.01	0.25 $\pm$ 0.01	6.5 $\pm$ 0.5	6.4 $\pm$ 0.6	
king size,	s	0.03	0.03	1.0	1.3	
filter	CV	11.5	12.5	15.1	20.0	

PM3000952628

		<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg/cigt.</u>	
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #3</u>	<u>Sample #4</u>
Kool	X	1.50 ± 0.03	1.50 ± 0.03	18.8 ± 0.4	18.5 ± 0.4
king size,	s	0.07	0.06	0.7	0.8
filter menthol	CV	4.6	4.3	3.9	4.3
Kool	X	1.47 ± 0.04	1.59 ± 0.04	19.4 ± 0.4	20.5 ± 0.4
100 mm.	s	0.07	0.08	0.8	0.8
filter menthol	CV	4.8	5.0	3.9	4.0
Lark	X	1.07 ± 0.03	1.14 ± 0.03	17.3 ± 0.4	17.9 ± 0.4
king size,	s	0.05	0.06	0.9	0.7
filter	CV	4.9	5.3	5.1	4.1
L & M	X	0.98 ± 0.03	0.98 ± 0.03	17.1 ± 0.6	16.4 ± 0.6
reg. size,	s	0.07	0.06	1.2	1.2
filter	CV	6.8	6.5	7.0	7.4
L & M	X	1.04 ± 0.02	1.05 ± 0.02	17.4 ± 0.6	17.3 ± 0.4
king size,	s	0.05	0.05	1.2	0.8
filter	CV	4.6	4.9	7.0	4.4
hard pack					
L & M	X	1.10 ± 0.03	1.17 ± 0.02	19.0 ± 0.4	19.2 ± 0.4
king size,	s	0.05	0.05	0.9	0.8
filter	CV	5.0	4.0	4.6	4.4
soft pack					
L & M	X	1.19 ± 0.03	1.22 ± 0.04	19.8 ± 0.6	19.3 ± 0.5
100 mm.	s	0.06	0.08	1.1	1.0
filter menthol	CV	5.4	6.7	5.6	5.4
Lucky Strike	X	1.56 ± 0.04	1.58 ± 0.03	28.5 ± 0.7	28.2 ± 0.6
reg. size,	s	0.07	0.06	1.4	1.1
non-filter	CV	4.6	3.8	5.1	3.9

		<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg/cigt.</u>	
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #3</u>	<u>Sample #4</u>
Lucky Filters	X	1.34 $\pm$ 0.03	1.30 $\pm$ 0.02	21.4 $\pm$ 0.5	20.8 $\pm$ 0.5
king size,	s	0.06	0.05	1.1	1.0
filter	CV	4.7	3.6	5.0	4.7
S					
Lucky Filters	X	1.31 $\pm$ 0.02	1.32 $\pm$ 0.02	21.2 $\pm$ 0.3	20.6 $\pm$ 0.4
100 mm.	s	0.05	0.04	0.7	0.9
filter	CV	3.9	3.3	3.1	4.5
S					
Lucky Filters	X	1.10 $\pm$ 0.02	1.11 $\pm$ 0.03	19.1 $\pm$ 0.5	18.6 $\pm$ 0.5
100 mm.	s	0.05	0.06	1.1	1.0
filter menthol	CV	4.6	5.6	5.5	5.6
Mapleton	X	0.91 $\pm$ 0.03	0.86 $\pm$ 0.02	24.0 $\pm$ 0.8	23.4 $\pm$ 0.5
reg. size,	s	0.06	0.04	1.6	1.1
non-filter	CV	6.5	4.3	6.6	4.6
S					
Mapleton	X	0.86 $\pm$ 0.04	0.89 $\pm$ 0.02	20.5 $\pm$ 0.9	20.7 $\pm$ 0.5
king size,	s	0.08	0.04	1.8	1.0
filter	CV	9.9	5.2	8.9	4.7
Marlboro	X	1.36 $\pm$ 0.02	1.36 $\pm$ 0.02	20.2 $\pm$ 0.6	20.1 $\pm$ 0.4
king filter	s	0.05	0.04	1.1	0.7
hard pack	CV	3.8	2.8	5.6	3.6
Marlboro	X	1.39 $\pm$ 0.03	1.44 $\pm$ 0.03	20.8 $\pm$ 0.5	21.6 $\pm$ 0.6
king size	s	0.06	0.06	1.0	1.1
filter	CV	4.4	4.1	4.6	5.2
soft pack					
S					
Marlboro	X	1.48 $\pm$ 0.03	1.50 $\pm$ 0.03	21.3 $\pm$ 0.5	21.5 $\pm$ 0.4
100 mm.	s	0.06	0.05	1.0	0.8
filter	CV	4.1	3.6	4.6	3.9
soft pack					

PM3000952630

		<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg/cigt.</u>	
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #3</u>	<u>Sample #4</u>
Marlboro	X	1.36 ± 0.03	1.39 ± 0.03	20.9 ± 0.5	20.7 ± 0.4
king size,	s	0.06	0.07	0.9	0.9
filter menthol	CV	4.1	5.0	4.5	4.2
Marvels	X	0.64 ± 0.02	0.64 ± 0.02	18.6 ± 0.6	19.2 ± 0.8
reg. size,	s	0.04	0.05	1.2	1.6
non-filter	CV	6.2	7.6	6.4	8.4
Marvels	X	0.81 ± 0.02	0.82 ± 0.03	23.3 ± 0.4	22.7 ± 0.5
king size,	s	0.04	0.05	0.8	1.1
non-filter	CV	5.2	6.5	3.6	4.7
Montclair	X	0.60 ± 0.03	0.65 ± 0.02	9.0 ± 0.3	9.6 ± 0.4
king size,	s	0.05	0.05	0.6	0.8
filter menthol	CV	8.8	7.2	6.7	8.8
			S		S
Oasis	X	1.08 ± 0.04	1.13 ± 0.03	18.7 ± 0.8	19.3 ± 0.6
king size,	s	0.08	0.07	1.6	1.2
filter menthol	CV	7.5	6.0	8.4	6.1
			S		
Old Gold	X	1.38 ± 0.03	1.38 ± 0.03	23.1 ± 0.7	23.3 ± 0.5
reg. size,	s	0.05	0.06	1.5	1.1
non-filter	CV	4.0	4.1	6.4	4.7
Old Gold	X	1.75 ± 0.05	1.79 ± 0.05	30.0 ± 0.8	29.6 ± 0.5
king size,	s	0.10	0.09	1.7	1.0
non-filter	CV	5.5	5.2	5.7	3.5
Parliament	X	1.07 ± 0.02	1.01 ± 0.04	15.7 ± 0.4	14.9 ± 0.5
king size,	s	0.03	0.08	0.8	1.0
filter	CV	3.1	8.3	5.3	6.9
hard pack					S

PM3000952631

		<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg/cigt.</u>	
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #3</u>	<u>Sample #4</u>
Philip Morris reg. size, non-filter	X s CV	1.53 $\pm$ 0.04 0.08 5.2	1.53 $\pm$ 0.05 0.10 6.4	25.5 $\pm$ 0.6 1.3 4.9	25.1 $\pm$ 0.5 1.1 4.3
Philip Morris Commander king size, non-filter	X s CV	1.95 $\pm$ 0.04 0.08 4.0	1.99 $\pm$ 0.04 0.07 3.8	31.4 $\pm$ 0.9 1.8 5.8	31.0 $\pm$ 0.6 1.2 3.7
Philip Morris king size, filter	X s CV	1.38 $\pm$ 0.03 0.06 4.1	1.40 $\pm$ 0.03 0.06 4.6	19.1 $\pm$ 0.4 0.9 4.6	18.8 $\pm$ 0.4 0.7 4.0
Philip Morris king size, filter menthol	X s CV	1.34 $\pm$ 0.04 0.09 6.6	1.38 $\pm$ 0.04 0.07 5.2	19.8 $\pm$ 0.6 1.3 6.6	19.5 $\pm$ 0.6 1.2 6.0
Picayune	X s CV	1.62 $\pm$ 0.07 0.14 8.8	1.74 $\pm$ 0.05 0.10 5.5	20.5 $\pm$ 0.4 0.9 4.4	20.2 $\pm$ 0.6 1.3 6.4
Players	X s CV	1.93 $\pm$ 0.03 0.06 3.3	1.91 $\pm$ 0.05 0.09 4.9	31.4 $\pm$ 0.5 1.1 3.4	31.1 $\pm$ 0.9 1.9 6.1
Sano reg. size, non-filter	X s CV	0.49 $\pm$ 0.03 0.06 12.8	0.50 $\pm$ 0.03 0.06 12.3	18.0 $\pm$ 1.1 2.2 12.3	16.0 $\pm$ 1.1 2.2 14.0
Silva Thins 100 mm. filter	X s CV	0.90 $\pm$ 0.02 0.04 4.7	0.90 $\pm$ 0.02 0.04 3.9	15.0 $\pm$ 0.5 1.0 6.6	14.6 $\pm$ 0.2 0.5 3.2

S

S

PM3000952632

		<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg/cigt.</u>		
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #3</u>	<u>Sample #4</u>	
Spring	X	1.12 ± 0.03	1.11 ± 0.02	21.2 ± 0.5	20.4 ± 0.5	
100 mm.	s	0.06	0.05	1.1	1.0	
filter menthol	CV	5.9	4.4	5.2	4.9	S
Stratford	X	0.84 ± 0.02	1.01 ± 0.04	23.8 ± 0.8	25.8 ± 1.1	
king size,	s	0.04	0.08	1.6	2.2	
non-filter	CV	4.8	8.0	6.9	8.4	S
Stratford	X	0.74 ± 0.05	0.74 ± 0.02	18.8 ± 0.7	19.4 ± 0.5	
king size,	s	0.10	0.03	1.5	1.0	
filter	CV	13.6	4.2	7.8	5.1	
menthol						
Tareyton	X	1.04 ± 0.02	1.00 ± 0.02	17.0 ± 0.5	16.8 ± 0.4	
king size,	s	0.05	0.05	1.0	0.9	
filter	CV	4.6	5.2	6.2	5.4	
Tareyton	X	1.06 ± 0.02	1.06 ± 0.02	17.2 ± 0.4	16.6 ± 0.4	
100 mm.	s	0.04	0.04	0.8	0.8	
filter	CV	3.8	3.8	5.0	4.7	S
True (Blue)	X	0.70 ± 0.02	0.73 ± 0.01	12.4 ± 0.05	12.8 ± 0.3	
king size,	s	0.04	0.02	1.0	0.7	
filter	CV	6.4	2.9	8.4	5.4	
True (Green)	X	0.68 ± 0.02	0.69 ± 0.02	12.5 ± 0.3	12.4 ± 0.3	
king size,	s	0.05	0.04	0.6	0.7	
filter menthol	CV	7.6	5.3	5.0	5.6	
Tryon	X	0.95 ± 0.03	0.84 ± 0.02	12.7 ± 0.5	10.9 ± 0.3	
king size,	s	0.06	0.04	0.9	0.6	
filter	CV	6.4	5.2	7.3	5.4	S

PM3000952633

		<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg/cigt.</u>		
<u>BRAND</u>		<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #3</u>	<u>Sample #4</u>	
Tryon	X	0.74 ± 0.03	0.78 ± 0.03	10.6 ± 0.4	11.4 ± 0.5	
king size,	s	0.06	0.07	0.8	1.0	
filter menthol	CV	8.0	8.8	8.0	8.8	S
Viceroy	X	1.39 ± 0.04	1.45 ± 0.03	18.4 ± 0.3	19.0 ± 0.3	
king size,	s	0.08	0.06	0.7	0.7	
filter	CV	5.9	4.3	3.8	3.6	S
Viceroy	X	1.46 ± 0.03	1.46 ± 0.02	19.3 ± 0.4	19.6 ± 0.4	
100 mm.	s	0.07	0.05	0.9	0.8	
filter	CV	4.5	3.5	4.6	4.2	
Vogue (colors)	X	0.39 ± 0.03	0.37 ± 0.01	11.5 ± 0.9	11.5 ± 0.4	
king size,	s	0.06	0.02	1.8	0.7	
filter	CV	15.7	6.2	15.7	6.4	
Winston	X	1.29 ± 0.02	1.27 ± 0.03	20.4 ± 0.6	20.3 ± 0.5	
king size,	s	0.05	0.07	1.1	1.0	
filter	CV	4.0	5.4	5.6	4.9	
hard pack						
Winston	X	1.49 ± 0.02	1.49 ± 0.02	22.2 ± 0.5	21.1 ± 0.3	
100 mm.	s	0.05	0.04	1.1	0.6	
filter menthol	CV	3.4	2.9	4.9	3.0	S
Yukon	X	0.82 ± 0.03	0.78 ± 0.03	19.0 ± 0.5	18.6 ± 0.5	
king size,	s	0.06	0.06	1.0	1.0	
filter menthol	CV	8.0	8.2	5.5	5.3	

PM3000952634

<u>BRAND</u>	<u>Nicotine mg/cigt.</u>		<u>F.T.C. "Tar" mg./cigt.</u>	
	<u>Smoking Machine A</u>	<u>Smoking Machine B</u>	<u>Smoking Machine A</u>	<u>Smoking Machine B</u>
Monitor	1.27 0.006 0.06 4.4	1.27 0.006 0.05 4.2	19.8 0.09 0.8 3.9	20.0 0.09 0.8 4.0

PM3000952635